

WHAT IS CLAIMED IS:

1. A plastic article with a coating containing at least one zinc oxide-containing layer and at least one abrasion-resistant outer layer.
2. The plastic article of claim 1, wherein the abrasion-resistant coating contains sol-gel materials.
3. The plastic article of claim 2, wherein the zinc oxide-containing layer contains zinc oxide particles with a primary particle size of from 1 to 30 nm.
4. The plastic article of claim 2, wherein the zinc oxide particles are surface-modified with 3-glycidoxypolypropyltrimethoxysilane.
5. The plastic article of claim 1, wherein the zinc oxide-containing layer contains zinc oxide particles with a primary particle size of from 1 to 30 nm.
6. The plastic article of claim 5, wherein the zinc oxide particles are surface-modified with 3-glycidoxypolypropyltrimethoxysilane.
7. The plastic article of claim 1, wherein the zinc oxide particles are surface-modified with 3-glycidoxypolypropyltrimethoxysilane.
8. An article containing transparent plastics selected from the group comprising polyamide, polyethylene, polypropylene, polymethyl methacrylate, polystyrene, polvinyl cyclohexane and copolymers thereof, acrylonitrile/butadiene/styrene copolymers (ABS), polyvinyl chloride, polycarbonate and blends thereof and a coating containing at least one zinc oxide-containing layer and at least one abrasion-resistant outer layer.
9. The article of claim 8, wherein the abrasion-resistant coating contains sol-gel materials.
10. The plastic article of claim 9, wherein the zinc oxide-containing layer contains zinc oxide particles with a primary particle size of from 1 to 30 nm.
11. The plastic article of claim 9, wherein the zinc oxide particles are surface-modified with 3-glycidoxypolypropyltrimethoxysilane.

12. The plastic article of claim 8, wherein the zinc oxide-containing layer contains zinc oxide particles with a primary particle size of from 1 to 30 nm.

13. The plastic article of claim 12, wherein the zinc oxide particles are surface-modified with 3-glycidoxypropyltrimethoxysilane.

14. The plastic article of claim 8, wherein the zinc oxide particles are surface-modified with 3-glycidoxypropyltrimethoxysilane.